

FIG. 1

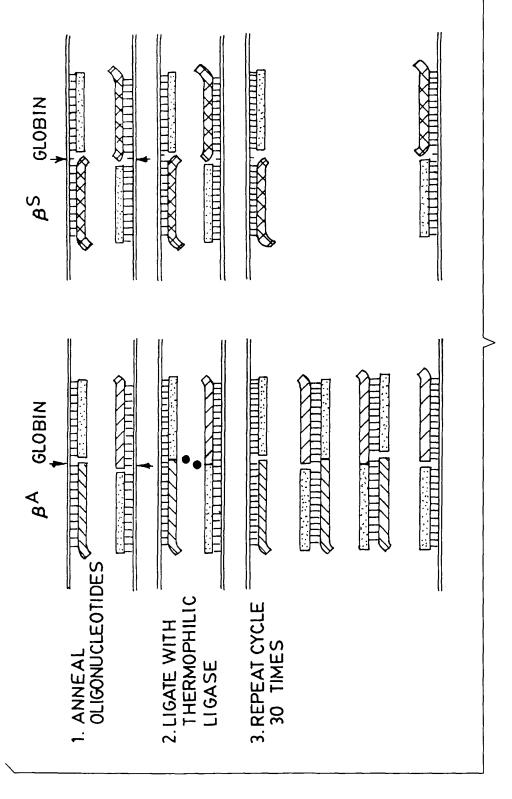


FIG. 2

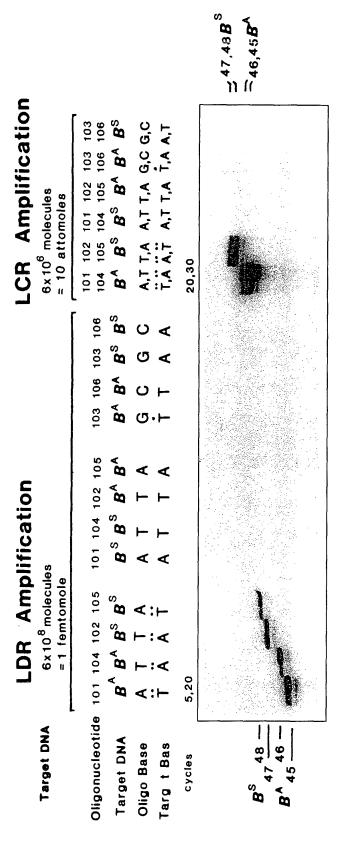


FIG. 3

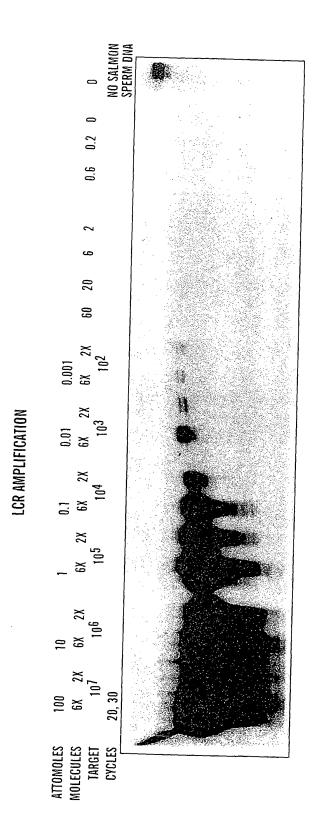


FIG. 4

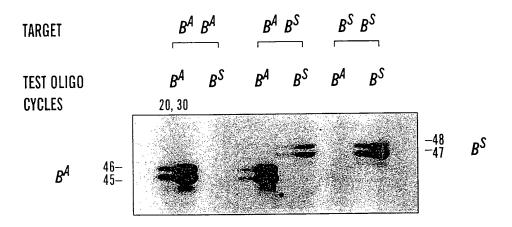


FIG. 5

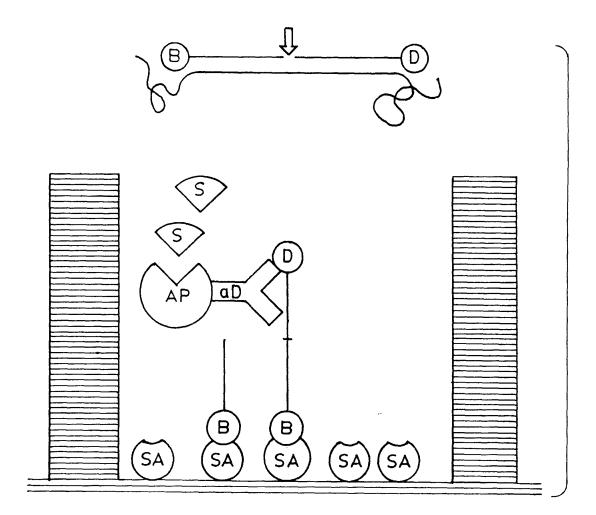
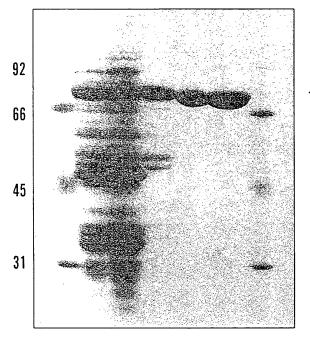


FIG. 6



A B C D E F G



THERMOSTABLE LIGASE

FIG. 7

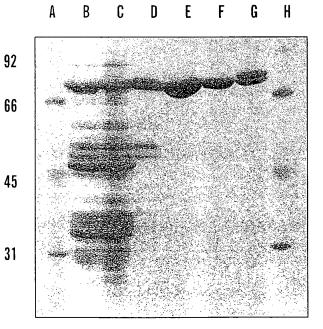


FIG. 8

LIGASE-AMP LIGASE

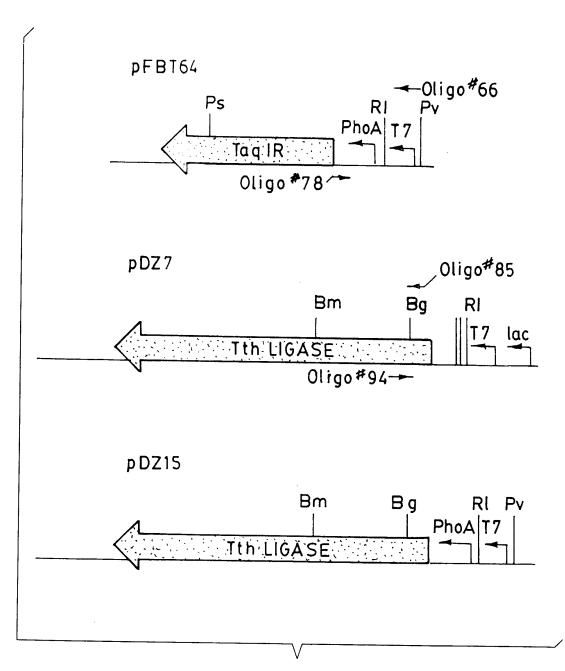


FIG. 9